

TWIN SCREW TURBINE PASSENGER STEAMER "AUSONIA"

PROFILE AND DECK PLAN

Vickers Ltd No 498

Jos 970 11

Plan of Superstructure





S.S. AUSONIA.

NEWCASTLE ON THE.

Roport No. 45884.

5.5. accania.

NEWCASTLE ON TYPE.

Report No. 79152.

O 2020

O 2020

Lloyd's Register

Toundation

Nº 40

ARMSTRONG'S NAVAL YARD.

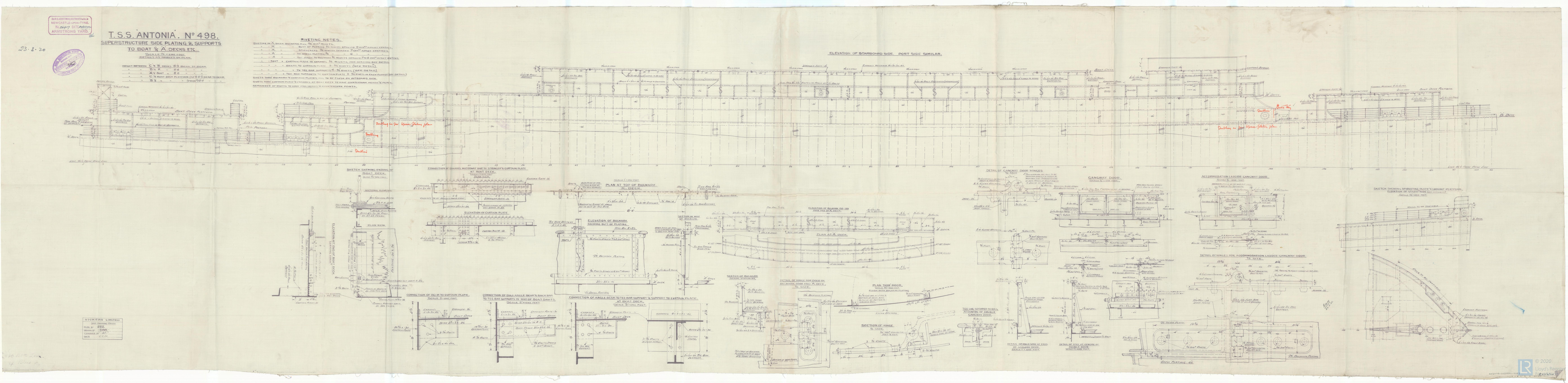
Nº 970-1.

SUPERSTRUCTURE SIDE PLATING &:

\* 002079-002084-0053

Maria Sala.

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Nº8 MESSRS ARMSTRONG, WHITWORTH & COLTO.
(NAVAL YARD)

PROMINE SOUNDS

DECK PLANS (SHEETNOI)

NOS 970 + 941 SHIPS

S.S. AUSONIA,
NEWCASTLE ON TYNE.
Report No. 75884.

S. S. arcania.

NEWGASTLE ON TYNE.

Report No. 79152.

W/S 606

Lloyd's Registe

O02079-002084-0055

818 W.G. ARMSTRONG, WHITWORTH & CO.LD.
NEWCASTLE-UPON-TYME.
No. 23644 DATE 19/6/1919.
ARMSTRONG YARD. BEAMS 5 1/2 × 3" × 36 ANGLES. WATERWAY 8" x 3" x 40 CHANNEL STRINGER 30" 30

BUTTS DOUBLE RIVETED

TIE PLATES

TO 30

-30 T. S.S. NºS 970-1. X APPROX: POSITION OF BOAT DAVITS. DECK HOUSE UNDER DECK HOUSE PLATING .25 BUTTS DOUBLE RIVETED DECK PLATING 26 SINGLE RIVETED SEAM. WOOD DK. 5 X 2/2" P. PINE WITH TEAK MARGINS. DECK PLANS. BOAT DECK SCALE 1/8 INCH = I FOOT. DOME OVER ENGINE DOME OVER L AIR FUNNEL WIRELEGS SKYLIGHT.

SMOKE RM. HATCH LOUNGE. A SKID CASING.

SMOKE RM. GIRDER.

58 61 64 67 70 73 76 79 82 85 88 91 94 97 100 103 106 109 112 115 DIMENSIONS: - 519'-0" B.P x 65-0" MLD X 43'-0" MLD. TO C SHELTER DECK. 126 130 133 137 CLASS 100 A. I. LLOYDS. SHELTER DK. SPECIAL SURVEY. "A DK. BEAMS CLEAR OF SIDE PLATING 51/2"x3"x"36 B. ANGLES. END OF BRIDGE SIDE PLATING. "A DECK BEAMS 7/2 × 3 × · 42 B. ANGLES ON EVERY FRAME DECK PLATING 30 IN WAY OF SIDE PLATING SEAMS SINGLE RIVETED BUTTS DOUBLE. 200 CLASS PROMENADE. KNEES 25 x 46. WOOD DK 5" X 2 12" P. FINE WITH TEAK MARGINS. WEBSI TO SUIT ACCOMMODATION SPACED ABOUT 30 FEET APART.

WEBSI TO SUIT ACCOMMODATION SPACED ABOUT 30 FEET APART.

WEBSI TO SUIT ACCOMMODATION SPACED ABOUT 30 FEET APART. 32" FRAME SPACING DECK PLATING INCREASED LOCALLY UNDER WINCHES 3/5 LENGTH "B" DECK BEAMS 8" x 3" x 3" x { 375 WEB } CHANNELS ON EVERY FRAME. 32" FRAME SPACING. ON BOAT DECK A DECK & BOAT PLATFORMS. SEPARATE SUBMISSION FOR DECK GIRDERS & PILLARS. KNEES 28" x · 50. CURTAIN PLATE END OF BRIDGE SIDE PLATING BEAMS CLEAR OF SIDE PLATING 6" x 3" x 40 BULB ANGLES 50 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 18 | 16 | 164 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 1 32" FRAME SPACING 27" FRAME SPACING NOTE: - POSITIONS OF PARTIAL BHS & WEB FRAMES TO BE TAKEN FROM "C" DECK BEAMS 8"x 3"x 50 FLANGE CHANNELS ON EVERY FRAME. DECK PLATING . 44 SEAMS SINGLE RIVETED . 1/2 MAGNESITE . PLATING OVER GALLEY RANGES TO BE INCREASED . 10. 27 FRAME SPACING 24 FRAME SPACING NOTE: - STRAKE OF PLATING ALONGSIDE OPENINGS TO BE INCREASED AS INDICATED 32 FRAME SPACING 27 FRAME SPACING 24" FRAME SPACING. \* 32" FRAME SPACING. & LARGE DOUBLE RIVETED CORNER COAMING ANGLES FITTED IN LIEU OF DOUBLINGS.

MESSRS ARMSTRONG, WHIT WORTH + COLTD

(NAVAL YARO) 223 JUN 918

DECK PLANS (SHEET Nº2)

NOS 940 + 941 SHIPS

NEWCASTLE ON TYNE. Report No. 45884

S. S. ascania

Report No. 79152

T. S. S. Nº 970-1. SHEET 2. DECK PLANS. SCALE 1/8 INCH = I FOOT. DIMENSIONS - 519-0" B.P. x 65 -0" MLO X 43-0" MLO TO C" SHELTER DECK. CLASS 100 A.I. LLOYDS SHELTER DECK SPECIAL SURVEY. MAIN FRAMES MARKED THUS CARRIED UP TO "C" DECK END OF BRIDGE SIDE PLATING "D" DECK BEAMS 8"3" 3" x 44 WEB & 50 PLANGES CHANNELS ON EVERY FRAME HATCH END BEAMS SIMILAR KNEES 29'x 50 R D DECK. D DECK. BUTTS D. P. FOR & LENGTH S. R. AT ENOS DECK PLATING TO BE INCREASED IN THE UNDER WINCHES STEERING GEAR ETC. 32 FRAME SPACING 24 FRAME SPACING. 2 LENGTH 3/5 LENGTH E DECK BEAMS 9', 3/2 , 3/2 , 3/5 WEB & SO FLANGES CHANNELS ON EVERY FRAME O.T. FLAT KNEES 31" x 50 HATCH END BEAMS IN WAY OF CARGO SPACES 12' 4,4 , 52 CHANNELS KNEES 31' 50 WITH RIDER PLESS WHERE SHENN. OCUBLING DOUBLING B E DECK. SEAMS SINGLE RIVETED E DECK. DECK PLATING .30 GIRDER (UNDER) BUTTS OR FOR 1/2 LENGTH SR AT ENDS. BOILER ROOM. 7'x 4'x 54 FACE BAR CARGO SPACE .56 PLATES 28x:56 RIDER PLATE 3RD CLASS /2 MAGNESITE CARGO SPACE STRONG BEAMS TO BE ARRINGED WITH 6' FLANGE TO SUIT UPTAKES & TO BE DOUBLE SKETCH TO BE SUBMITTED. CARGO HATCH CARGO HATCH 24 FRAME SPACING 32 FRAME SPACING 5 LENGTH 2 LENGTH. HATCH END BEAMS 12" CHANNELS WITH 4x.75 RIDER PLATE FROM 24 FRAME SPACING. C.L. TO 18' EACH SIDE. GUSSETS TO BE FITTED AT CORNERS OF ALL 1/2 LENGTH = 3/5 LENGTH PILLARS & DECK GIRDERS TO BE SUBMITTED SEPARATELY. HATCHWAYS AT CARGO DECKS. MAIN FRAMES:- IN WAY OF SALOONS & BOILER ROOM MAIN FRAMES TRIPPING BRACKETS TO BE FITTED AT ALTERNATE BEAMS MARKED THUS IN CARRIED UP TO C' DECK AT MATCH COAMINGS WHERE FLANGE IS GREATER THAN 6 F DECK BEAMS 9 x 3/2 x 3/2 x 3/5 WEB & SO FLANGES CHANNELS ON EVERY FRAME WEB FRAMES- TO BE 5-0" WIDE x . 44 THICK INSIDE 1/2 LENGTH KNEES 3/ x 50 " " 3-6" . x "44 " AT ENDS STANGER ANGLE 4 X4 X 52 TO 4 X 4 X 46 AT END TO SHE HATCH END BEAMS IN WAY OF CARGO SPACES 12" 4" 4" 52 CHANNELS KNEES 31" x 50 DOUBLE FACE BARS 3 1/2 x 31/2 x 44 OR DOUBLE COPES TO SUIT ACCOMMODATION STRNGER PLATE 52 x 40 TO 40 x 40 WITH RIDER PLATES WHERE SHEWN DOUBLE CONNECTIONS TO DECK SINGLE " SHELL STIFFENERS 4x3x.30 ANGLE SEAMS SINGLE PIVETED POSITIONS OF WEB FRAMES TO BE TAKEN FROM GENERAL ARRET. F DECK. CARGO SPACE CARGO SPACE . 40 PLATING OVER DEEP TANK. DECK PLATING 30 GIRDER (LINDER) BUTTS DR FOR 12 LENGTH SRAT ENDS DEEP TANK OR CARGO SPACE (UNDER) CARGO SPACE BARE STEEL DECK CARGO HATCH

STEEL BULSHERD (UNDER)

STEEL BULSHERD (U 1/2 LENGTH > 3/5 LENGTH > \*

## MESSRS ARMSTRONG, WHIT WORTH & COLTO. (NAVALYARD) STERN POST

NOS 940 + 941 SHIPS

(DUPLICATE OF MESSES VICKERS LTD Nº 498)





S. J. ascania.

REWCASTLE ON TYNE.
Report No. 79152



SIRW.G. ARMSTRONG, WHITWORTH & CO.LD
NEWCASTLE-UPON-TYNE
No 23648 DATE 19/6/1919.
ARMSTRONG YARD

T. S. S. NOS 970-11.

## PLAN OF STERMPOST.

ARRANGEMENT 1/2 INCH = ONE FOOTT

DETAILS 1/2 INS = 1 FOOT, OR AS STATEED.

MATERIAL STEEL CAST STEEL

TO PASS BOTH LLOYDS & BOARD OF TRADE TESTES

ELEVATION STERNPOST DETAIL THRO' X' X' LOOKING FORWARD D DECK 1'AT WEBS 78 RIVETS 6 DIAS APART DETAIL AT E DECK BOUNDARY BAR 4×4 × 46 Y WEB E DECK
THEEL OF BEAMS & CAULKED DETAIL AT W.T. FLAT WEB WI FLAT AP 16" SECTION THRO'YY DETAIL OF SCARPH RIVETS IN SCARPH 1 0000 25 IN Nº 1/4 DIA 10000 5/4 1-103/4 2'-11/2" SECTION AT 3 FRAME SECTION AT Nº 5 FRAME SECTION AT X.X. . 42 FLOOR PLATE WEB TOIA.

WEB TOIA.

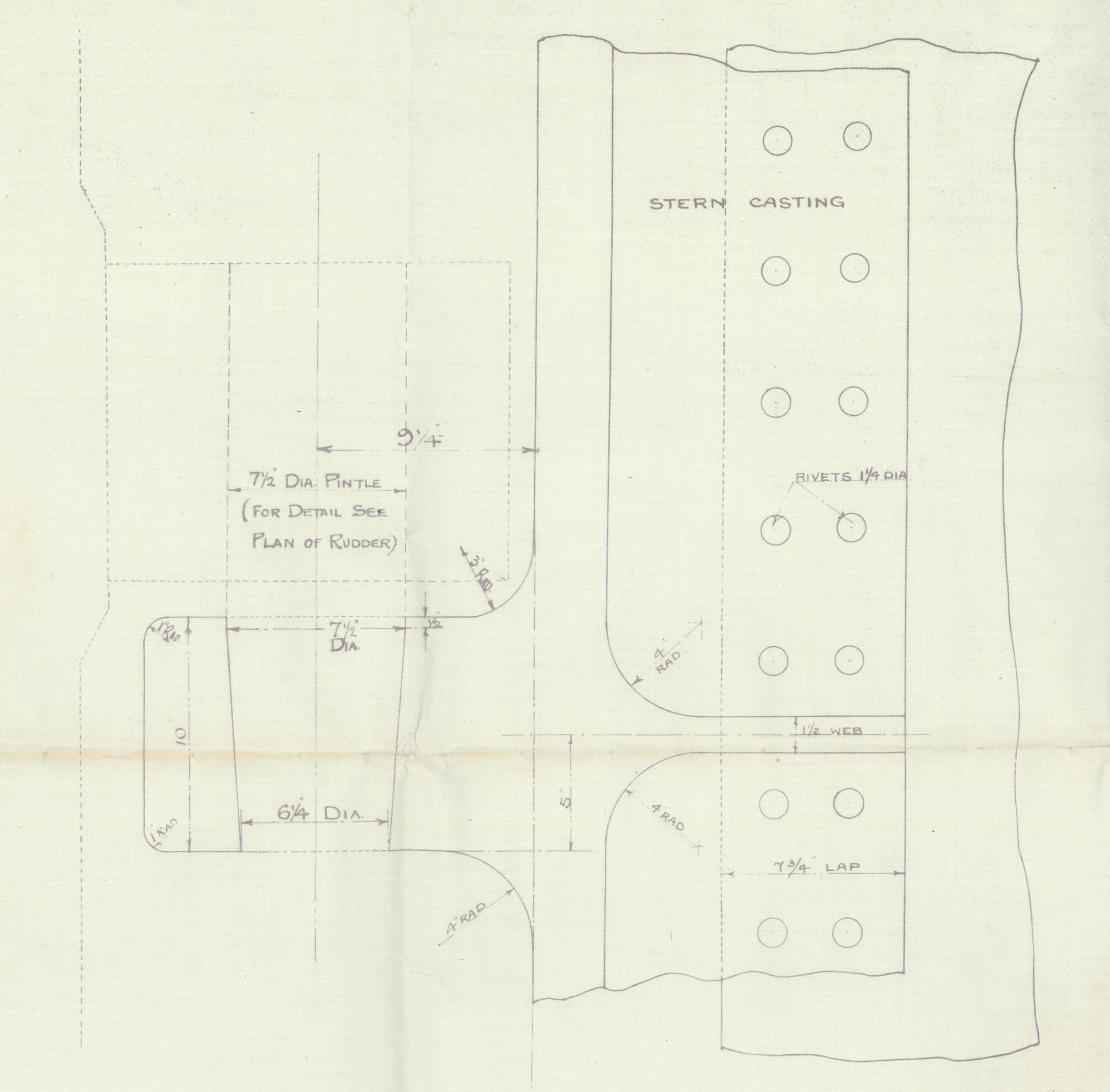
WEB TOIA.

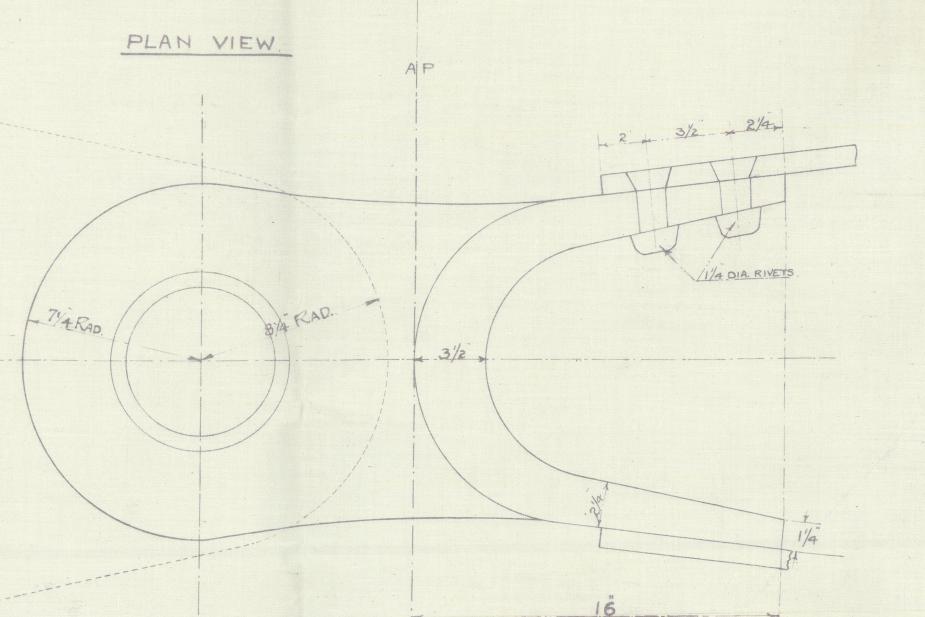
WEB TOIA. D.R.LAP 1/8 RIVETS CHAIN.
RIVETED CLEAR OF CASTING 12 HALF SIDING 96 KEEL PLATE SHAPED PORTION WASHED OFE
AS SHOWN SHADED IN ELEVATION NORMAL LINE OF CASTING

GUDGEONS.

SCALE 3" - I FOOT

SECTIONAL ELEVATION





DETAILS OF STOP

STERN POST

CENTRE LINE OF SHIP

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## MESSRS ARMSTRONG, WHITWORTH+COLTP (NAVALYARD)

RUDDER

NOS 940 ANO 941 SHIPS

(DUPLICATE OF MESSES VICKERS ATO Nº 498)





S.S. ascania

NEWCASTLE ON TYNE.

Report No. 79.52.



## T.S.S. Nos 970-1. RUDDER PLAN.

ARRANGEMENT 1/2 INCH = ONE FOOT.

DETAILS 11/2 INS = 1 FOOT, OR AS STATED.

PARTICULARS:- SPEED AT SEA...

ANGLE OF RUDDER 40°

AREA OF RUDDER = 1945 \$ Ax D=874

DIA. OF RUDDER POST STOCK 14 DIA (EXCLUDES EXTRA 1/2 DIA. REQ BY OWNERS)

MAINPIECE 14 AT HEAD 101/2 AT HEEL

MATERIAL

RUDDER STOCK & MAIN PIECE FORGED STEEL

RUDDER ARMS WROUGHT IRON OR PAGED STEEL

ALL TO PASS BOTH LLOYDS & BOARD OF TRADE TESTS.

ELEVATION. SEE DETAIL OF STOP RUDDER PLATE 116 8-41/2 1.16 PLATE. RUDDER ARMS 14 APART TO ALLOW PLATE TO REEVE EASILY 9-01/2 RIVETS 1/4 DIA FULL
C25 HEADS & POINTS
SPACED 4/2 DIAS APART 8-11 LEVEL . BOJTOM OF KEEL Y MOULDED BASE LINE.

PINTLES.

SCALE 3" = 1 FOOT

SECTIONAL ELEVATION

THIS HEAD TO BE FITTED ON A

PINTLE ONLY SLEDE CAST OVER END ON

RUDDER PLATE

THE FOR REMAINING PINTLES

WALLEST

GOST DIA FORGER

GOST DIA F

91/4 PARALLEL TO A.P.

8/4

23/4 x5/8 G.M. KEEP RING ON B&D

PINTLES, 83/8 INSIDE DIA SCREWED

TO RUODER ARMS BY 4 G.M. C.SK

SCREWS 3/4 DIA.

BEARING RING 25/8 x 11/2 G.M.

ON A. C + E PINTLES, 75/8 INSIDE

DIA, SECURED TO STERN FRAME

GUDGEON BY 4-3/4 GM C'SK SCREWS

S' DIA. WHITWORTH. STANGARD

HEXAGONAL NUT, STEEL

10" PARALLEL TO

CENTRE OF PINTLE

5/8 DIA. TAPER PIN.

THIS DIMENSION VARIES PLAN VIEW A.P.

BUDDER PLATINGHIG

BY SEE SECT ELEVATION

AG M. BUSH

SLIGNOM VIYAR

SIGNOM VIYA

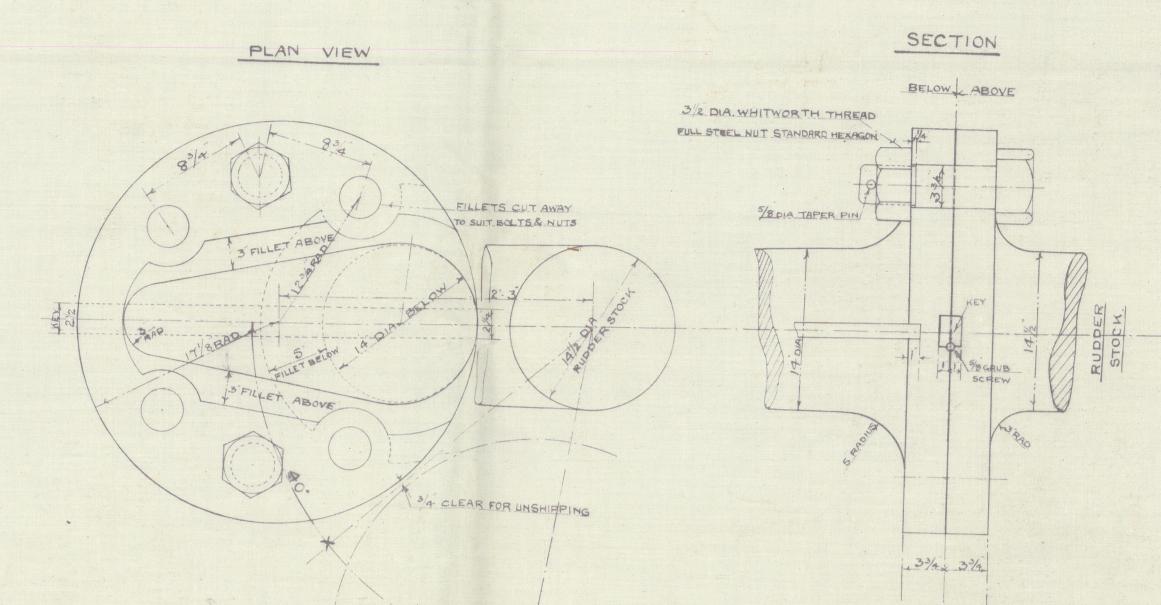
THIS DIA DEPENDS ON DIA OF MAIN PIECE & IS PARALLEL TO CENTRE OF MAINPIECE

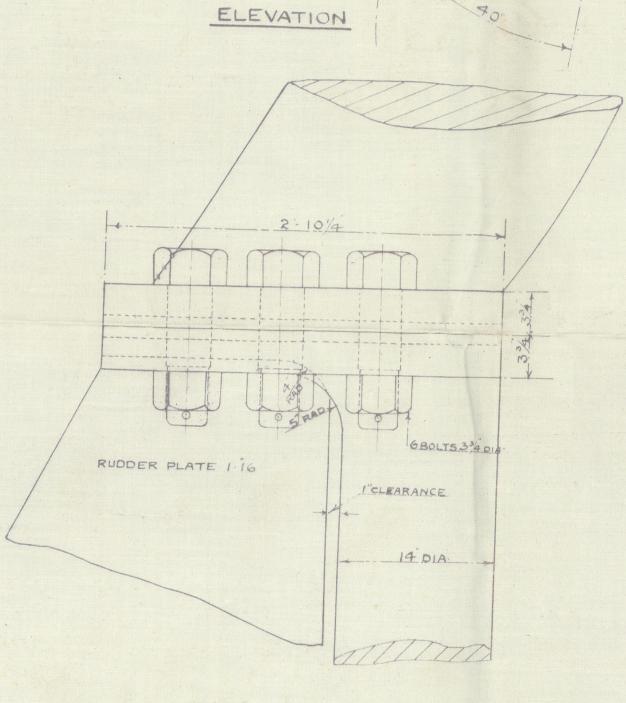
8"

1.16 RUDDER PLATE

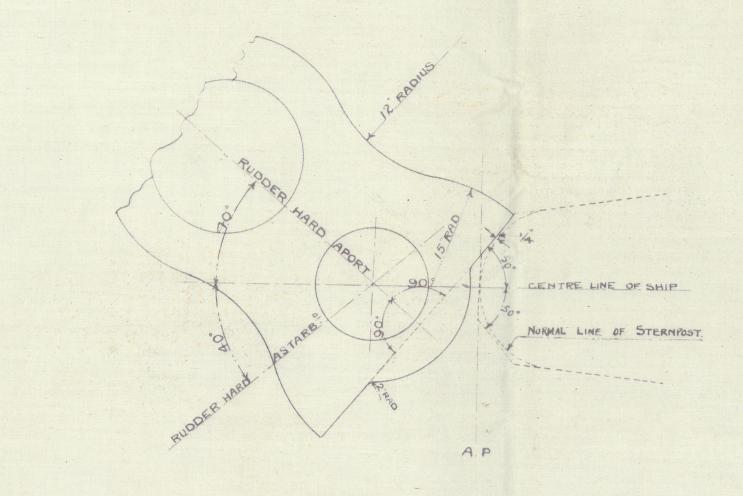
DETAILS OF COUPLING

SCALE 1/2 INS = 1 FOOT,





DETAILS OF STOP



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